



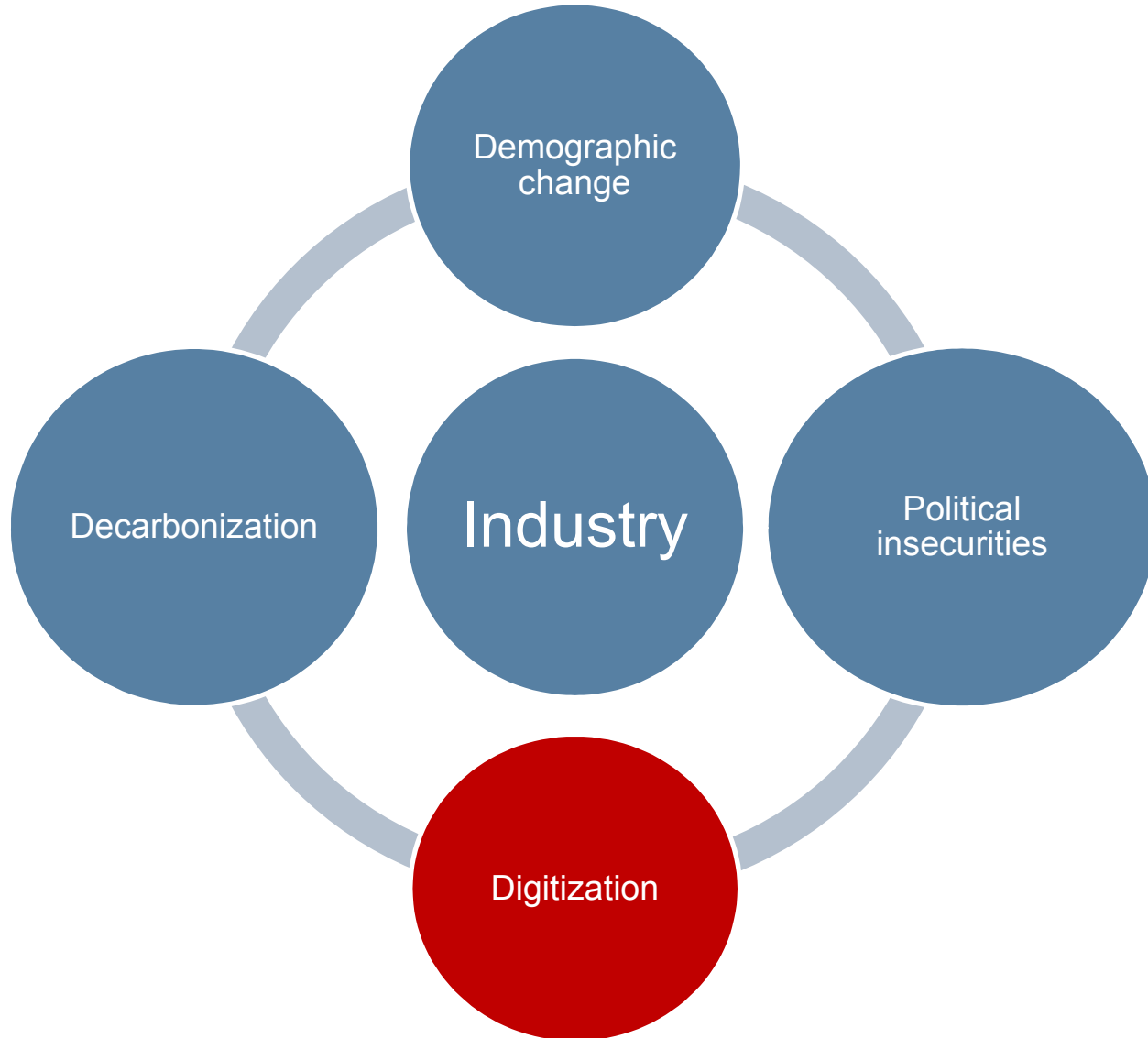
Federal Ministry
for Economic Affairs
and Energy

Industrie 4.0 needs International Action

Markus Heß, Deputy Director-General – Industrial Policy,
Federal Ministry for Economic Affairs and Energy

The 3rd RRI International Symposium for *Connected Industries*
Tokyo, 30 November 2017

Modern Global Industry: Turning Challenges into Opportunities



Benefits for Enterprises and Society

The Vision for the 4th Industrial Revolution

Economic



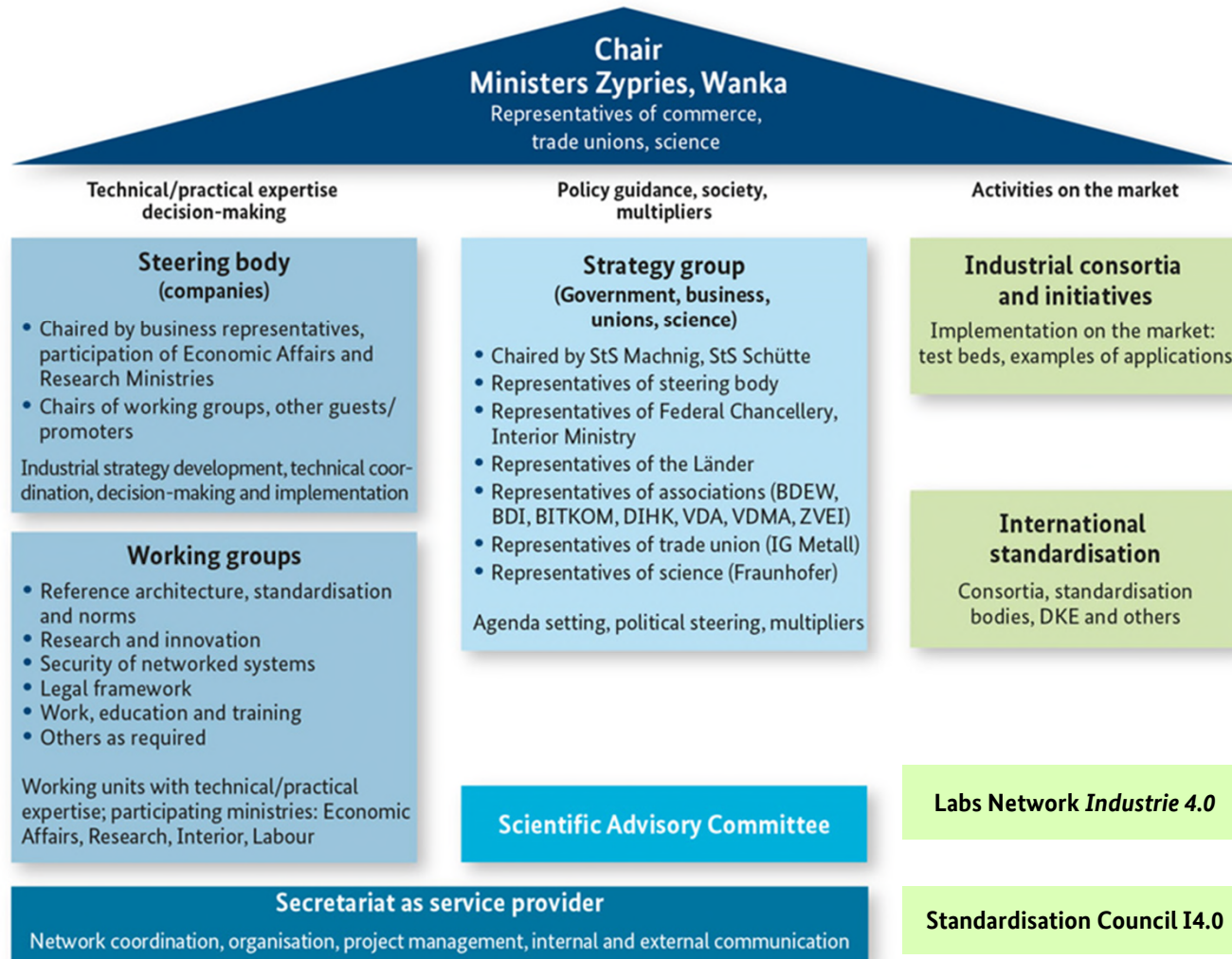
Environmental



Social



National Policy Instrument – Plattform I4.0 (I)

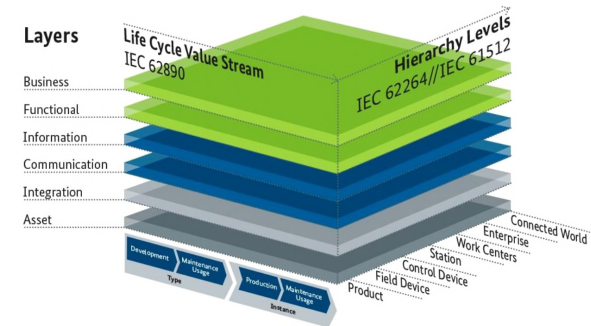


Highlights from Platform *Industrie 4.0*

- Online Library



- RAMI 4.0 / Administration Shell



- Industrie 4.0 online map

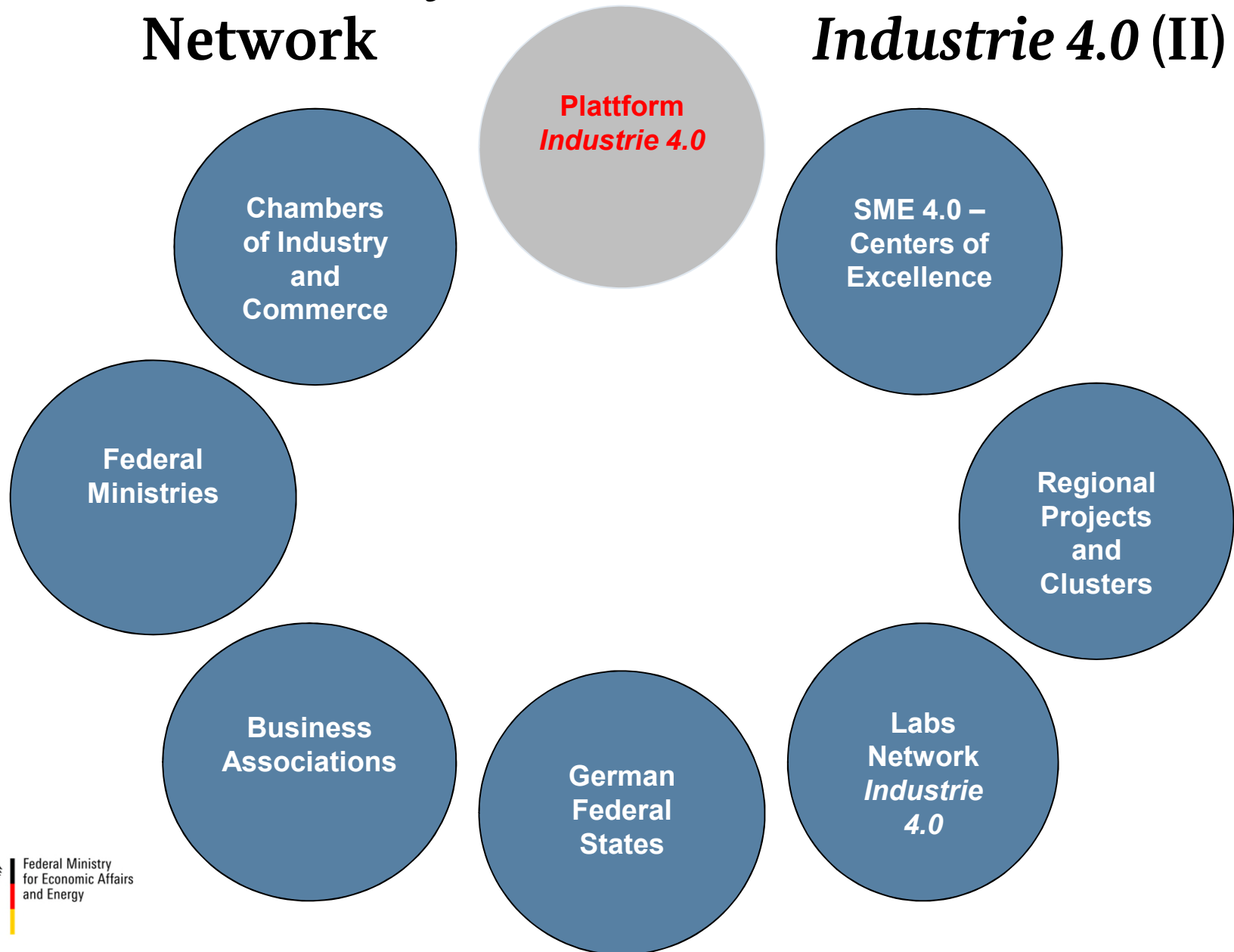


- Spin-offs from the platform:

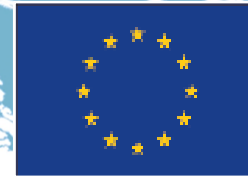


National Policy Instrument: SME-Transfer Network

Industrie 4.0 (II)



International Cooperation – Multilateral/Bilateral



United States 

> Industrial Internet Consortium

France 

> Alliance Industrie du Futur

Italy 

> Piano nazionale Industria 4.0

China 

> Made in China 2025

Japan 

> Robot Revolution Initiative

Australia 

> Prime Minister's Industry 4.0 Taskforce

Scope and Results (I)

1) Learn from each other

Germany



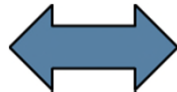
Japan



Scope and Results (II)

2) Facilitate cooperation among initiatives, companies, research institutes

& Support SMEs in going abroad



Scope and Results (III)

3) Strive for international solutions

a) Standardization

The common strategy on international standardization in field of the Internet of Things/Industrie 4.0

b) Industrial cyber security



c) Regulatory framework issues



German G20 Presidency



- Digitization is a key requirement for strong, sustainable, balanced and inclusive global growth
- Global digital markets need global understanding
- First G20 Digital Ministers' Conference in April
- Roadmap



Federal Ministry
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Thank you for your attention!